

Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**Complete if Known**

NOV 29 2004

**(use as many sheets as necessary)**

Sheet

1

of

5

Application Number

**10/826,375**

Filing Date

**April 19, 2004**

**First Named Inventor****ATIR, Shahar**

Group Art Unit

~~2818~~ 2824

Examiner Name

~~Not yet known~~ VT Nguyen

Attorney Docket Number

**P-6343-US**

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
VTN	1	5,418,743		Tomioka et al.	May 23, 1995	
	2	5,450,354		Sawada et al.	September 12, 1995	
	3	5,521,870		Ishikawa	May 28, 1996	
	4	6,285,589		Kajitani	September 4, 2001	
	5	5,027,321		Park	June, 1991	
	6	5,712,815		Bill et al.	January 27, 1998	
	7	5,537,358		Fong	July 16, 1996	
	8	2003/0142544		Maayan et al.	July 31, 2003	
	9	6,252,799		Liu et al.	June 26, 2001	
	10	2004/0008541		Maayan et al.	January 15, 2004	
	11	5,717,632		Richart et al.	February 10, 1998	
	12	4,388,705		Sheppard	June 14, 1983	
	13	4,389,705		Sheppard	June 21, 1983	
	14	5,784,314		Sali et al	July 21, 1998	
	15	5,812,456		Hull et al.	September 22, 1998	
	16	5,828,601		Hollmer et al	October 27, 1998	
	17	5,886,927		Takeuchi	March 23, 1999	
	18	5,241,497		Komarek	August 31, 1993	
	19	5,583,808		Brahmbhatt	December 10, 1996	
	20	5,754,475		Bill et al,	May 19, 1998	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>o</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
VTN ↓	21	EP	0656628		Advanced Micro Devices, Inc.	April 9, 2003		<input type="checkbox"/>
	22	EP	1126468		Hewlett-Packard Company	August 22, 2001		<input type="checkbox"/>
	23	JP	2002216488		Iwate Toshiba Electronics Co. Ltd.	August 2, 2002		<input type="checkbox"/>
	24	JP	408106791		Matsushita Electric Ind. Co. Ltd.	April 23, 1996		<input type="checkbox"/>
	25	EP	0740307		SGS-Thomson Microelectronics S.r.l.	October 30, 1996		<input type="checkbox"/>
	26	WO	03/088261		Advanced Micro Devices, Inc.	October 23, 2003		<input type="checkbox"/>
	27	WO	03/063168		Advanced Micro Devices, Inc.	July 31, 2003		<input type="checkbox"/>
	28	WO	03/036651		Advanced Micro Devices, Inc.	May 1, 2003		<input type="checkbox"/>
	29	WO	00/46808		Saifun Semiconductors Ltd.	August 10, 2000		<input type="checkbox"/>
	30	EP	1164597		Sharp Kabushiki Kaisha	December 19, 2001		<input type="checkbox"/>

**Examiner  
Signature**

/VanThu Nguyen/

Date \_\_\_\_\_

**Considered**

10/11/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (10-96)  
Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/826,375
		Filing Date	April 19, 2004
		First Named Inventor	ATIR, Shahar
		Group Art Unit	2848 2824
Examiner Name	Not yet known VT Nguyen		
Sheet	2	of	5
		Attorney Docket Number	P-6343-US

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
VTN	31	5,841,700		Chang	November 24, 1998	
	32	6,469,935		Hayashi	October 22, 2002	
	33	5,940,332		Artieri	August 17, 1999	
	34	5,335,198		Van Buskirk et al.	August 2, 1994	
	35	5,986,940		Atsumi et al.	November 16, 1999	
	36	2003/0214844		Iijima	November 20, 2003	
	37	2003/0117841		Yamashita	June 26, 2003	
	38	6,351,415		Kushnarenko	February 26, 2002	
	39	6,496,414		Kasa et al.	December 17, 2002	
	40	6,222,762		Guterman et al.	April 24, 2001	
	41	6,201,737		Hollmer et al.	March 13, 2001	
	42	6,044,022		Nachumovsky	March 28, 2000	
	43	6,084,794		Lu et al.	July 4, 2000	
	44	5,936,888		Sugawara	August 10, 1999	
	45	6,108,240		Lavi et al.	August 22, 2000	
	46	4,342,102		Puar	July 27, 1982	
	47	5,867,429		Chen et al.	February 2, 1999	
	48	5,477,499		Van Buskirk et al.	December 19, 1995	
	49	2003/0117861		Maayan et al.	June 26, 2003	
	50	5,748,534		Dunlap et al.	May 5, 1998	
	51	5,805,500		Campardo et al.	September 8, 1998	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature	/VanThu Nguyen/	Date Considered	10/11/2007
--------------------	-----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-96)  
Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
		Application Number		10/826,375	
		Filing Date		April 19, 2004	
		First Named Inventor		ATIR, Shahar	
		Group Art Unit		2010 2824	
		Examiner Name		Not yet known VT Nguyen	
Sheet 3 of 5		Attorney Docket Number		P-6343-US	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
VTN	52	2002/0004878		Norman	January, 2002	
	53	5,450,341		Sawada et al.	September 12, 1995	
	54	5,345,425		Shikatani	September 6, 1994	
	55	6,205,056		Pan et al.	March 20, 2001	
	56	6,240,040		Akaogi et al.	May 29, 2001	
	57	6,331,950		Kuo et al.	December 18, 2001	
	58	6,147,904		Liron	November 14, 2000	
	59	5,361,343		Kosonocky et al.	November 1, 1994	
	60	5,657,332		Auclair et al.	August 12, 1997	
	61	5,768,193		Lee et al.	June 16, 1998	
	62	5,946,258		Evertt et al.	August 31, 1999	
	63	5,969,993		Takeshima	October 19, 1999	
	64	2002/0132436		Eliyahu et al.	September 19, 1999	
	65	2002/01914465		Maayan et al.	December 19, 2002	
	66	5,969,993		Takeshima	October 19, 1999	
	67	6,636,440		Maayan et al.	October 21, 2003	
	68	6,169,691		Pasotti et al.	January 2, 2001	
	69	5,694,356		Wong et al.	December 2, 1997	
	70	6,118,692		Banks	September 12, 2000	
	71	5,568,085		Eitan et al.	October 22, 1996	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	ForeignPatent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature	/VanThu Nguyen/	Date Considered	10/11/2007
--------------------	-----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>		
Application Number		10/826,375				
Filing Date		April 19, 2004				
First Named Inventor		ATIR, Shahar				
Group Art Unit		2848                      2824				
Examiner Name		Not yet known VT Nguyen				
Attorney Docket Number		P-6343-US				
Sheet	4	of	5			

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
VTN	72	5,289,412		Frery et al.	February 22, 1994	
	73	5,305,262		Yoneda	April 19, 1994	
	74	5,949,728		Liu et al.	September 7, 1999	
	75	6,128,226		Eitan et al.	October 3, 2000	
	76	6,134,156		Eitan	October 17, 2000	
	77	6,185,143		Perner et al.	February 6, 2001	
	78	2002/0071313		Takano et al.	June 13, 2002	
	79	6,535,434		Maayan et al.	March 18, 2003	
	80	6,469,929		Kushnarenko et al.	October 22, 2002	
	81	5,508,968		Collins et al.	April 16, 1996	
	82	5,544,116		Chao et al.	August 6, 1996	
	83	5,627,790		Golla et al.	May 6, 1997	
	84	5,771,197		Kim	June 23, 1998	
	85	6,529,412		Chen et al.	March 4, 2003	
	86	6,525,969		Kurihara et al.	February 25, 2003	
	87	6,650,568		Iijima	November 18, 2003	
	88	6,643,178		Kurihara	November 4, 2003	
	89	6,594,181		Yamada	July 15, 2003	
	90	6,574,139		Kurihara	June 3, 2003	
	91	2004/0013000		Torii	January 22, 2004	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature	/VanThu Nguyen/	Date Considered	10/11/2007
--------------------	-----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(use as many sheets as necessary)**

[illegible][illegible]

**Examiner  
Signature**

/VanThu Nguyen/

Date Considered

10/11/2007

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**